

FORM PTO-1449

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Atty Docket No.

Serial No.

P1381R1C1P4

10/000157

Patent and Trademark Office

Applicant

Jian Chen

Filing Date

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Group

LIST OF DISCLOSURES CITED BY APPLICANT

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U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date
DD	* 1 5,536,637	16.07.96	Jacobs, K.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Country	Class	Subclass	Translation Yes	Translation No
DD	* 2 WO00/53752						
	* 3 WO00/70050						
	* 4 WO00/73452						
	* 5 WO96/29408						
	* 6 WO99/14240						
	* 7 WO99/46281						
	* 8 WO99/60127						
	* 9 WO 94/01548	20.01.94	PCT				
	*10 WO 98/49310	05.11.98	PCT				
	*11 WO 99/03982	28.01.99	PCT				
	*12 WO 99/32632	01.07.99	PCT				
	*13 WO 99/35267	15.07.99	PCT				
	*14 WO 99/61617	12.02.99	PCT				

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

DD	*15	Aarvak et al., "IL-17 Is Produced by Some Proinflammatory Th1/Th0 Cells but not by Th2 Cells" <u>Journal of Immunology</u> 162:1246-1251 (1999)
	*16	Albanesi et al., "IL-17 Is Produced by Nickel-Specific T Lymphocytes and Regulates ICAM-1 Expression and Chemokine Production in Human Keratinocytes: Synergistic or Antagonist Effects with IFN- γ and TNF- α " <u>Journal of Immunology</u> 162:494-502 (1999)
	17	Aliprantis, "Cell Activation and Apoptosis by Bacterial Lipoproteins Through Toll-Like Receptor-2" <u>Science</u> 285:736-739 (Jul 30, 1999)
	*18	Altschul and Gish, "Local Alignment Statistics" <u>Methods in Enzymology</u> 266:460-480 (1996)
	*19	Amin, A. R., et al., "The role of nitric oxide in articular cartilage breakdown in osteoarthritis" <u>Current Opinion in Rheumatology</u> 10(3):263-268 (1998)
	*20	Antonyasamy et al., "Evidence for a role of IL-17 in organ allograft rejection: IL-17 promotes the functional differentiation of dendritic cell progenitors" <u>J. Immunol.</u> 162(1):577-584 (1999)
	*21	Antonyasamy, M.A. et al., "Evidence for a role of IL-17 in alloimmunity: a novel IL-17 antagonist promotes heart graft survival" <u>Transplant Proc.</u> 31(1-2):93 (1999)
	*22	Arend et al., "Cytokines and Cytokine Inhibitors or Antagonists in Rheumatoid Arthritis" <u>Arthritis Rheum.</u> 33:305-315 (1990)
	*23	Attur et al., "Interleukin-17 Up-Regulation of Nitric Oxide Production in Human Osteoarthritis Cartilage" <u>Arthritis and Rheumatism</u> 40(6):1050-1053 (Jun 1997)
✓	*24	Awane et al., "NF- κ B-Inducing Kinase is a Common Mediator of IL-17-TNF- α , and IL-1 β -Induced Chemokine Promoter Activation in Intestinal Epithelial Cells" <u>J. Immunol.</u> 162:5337-5344 (1999)

Examiner

Dong Jiang

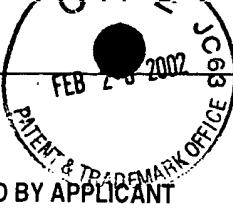
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OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)					
DJ	*25	Biesinger et al., "Stable growth transformation of human T lymphocytes by Herpesvirus saimiri" <u>Proc. Natl. Acad. Sci. USA</u> 89:3116-3119 (Apr 1992)			
	*26	BLAST Results A-1 - A-1 (Dayhoff)			
	*27	BLAST Results B-1 - B-10 (Dayhoff)			
	*28	Brightbill, "Host Defense Mechanisms Triggered by Microbial Lipoproteins Through Toll-Like Receptors" <u>Science</u> 285:732-736 (Jul 30, 1999)			
	*29	Broxmeyer, H.E., "Is Interleukin 17, An Inducible Cytokine That Stimulates Production of Other Cytokines, Merely a Redundant Player in a Sea of Other Biomolecules?" <u>Journal of Experimental Medicine</u> 183:2411-2415 (Jun 1996)			
	*30	Chabaud et al., "Enhancing Effect of IL-17 on IL-1-Induced IL-6 and Leukemia Inhibitory Factor Production by Rheumatoid Arthritis Synoviocytes and Its Regulation by Th2 Cytokines" <u>Journal of Immunology</u> 161:409-414 (1998)			
	*31	Chabaud et al., "Human Interleukin-17: A T Cell-Derived Proinflammatory Cytokine Produced by the Rheumatoid Synovium" <u>Arthritis & Rheumatism</u> 42(5):963-970 (1999)			
	*32	Faerman, "The expression of the regulatory myosin light chain 2 gene during mouse embryogenesis" <u>Development</u> 118:919-929 (1993)			
	*33	Farndale et al., "Improved quantitation and discrimination of sulphated glycosaminoglycans by use of dimethylmethylene blue" <u>Biochem. Biophys. Acta</u> 883:173-177 (1986)			
	*34	Fleckenstein and Desrosiers, "Herpesvirus saimiri and herpesvirus atelis" <u>In the Herpesviruses</u> , I.B. Roizman, ed., NY:Plenum Publishing Press pps. 253-332 (1982)			
	*35	Fossiez et al., "Interleukin-17" <u>Int. Rev. Immunol.</u> 16(5-6):541-551 (1998)			
	*36	Fossiez et al., "T Cell Interleukin-17 Induces Stromal Cells to Produce Proinflammatory and Hematopoietic Cytokines" <u>Journal of Experimental Medicine</u> 183(6):2593-2603 (Jun 1996)			
	*37	Gordon et al., "Molecular immunobiology of macrophages: recent progress" <u>Current Opinion in Immunology</u> 7:24-33 (1995)			
	*38	Guo, "Biochemical Characterization of Endogenously Formed Eosinophilic Crystals in the Lungs of Mice" <u>The Journal of Biological Chemistry</u> 275(11):8032-8037 (Mar 17, 2000)			
	*39	Hillier et al., "af37c02.s1 Soares total fetus Nb2HF8 9w Homo sapiens cDNA clone 1033826 3'" (Accession number AA780147) (Feb 6, 1998)			
	*40	Hillier et al., "zf01f09.s1 Soares fetal heart NbHH19W Homo sapiens cDNA clone 375689 3'" (Accession number AA033733) (Feb 4, 1997)			
	*41	Infante-Duarte, "Microbial Lipopeptides Induce the production of IL-17 in Th cells" <u>The Journal of Immunology</u> 165:6107-6115 (2000)			
	*42	Jovanovic et al., "IL-17 Stimulates the Production and Expression of Proinflammatory Cytokines, IL- β and TNF- α , by Human Macrophages" <u>J. Immunol</u> 160:3513-3521 (1998)			
	*43	Jovanovic et al., "Stimulation of 92-kd gelatinase (matrix metalloproteinase 9) production by interleukin-17 in human monocyte/macrophages" <u>Arthritis and Rheumatism</u> 43(5):1134-1144 (2000)			
↓	*44	Kennedy et al., "Mouse IL-17: A Cytokine Preferentially Expressed by $\alpha\beta$ TCR+CD4-CD8- T Cells" <u>Journal of Interferon and Cytokine Research</u> 16(8):611-617 (1996)			
Examiner <i>Dong Jiang</i>			Date Considered 4/10/03		
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OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

10	*45	Kingsley et al., "Joint destruction in rheumatoid arthritis: biological bases" <u>Clin. Exp. Rheumatol.</u> 15:S3-S14 (1997)
11	*46	Klein et al., "Selection for Genes Encoding Secreted Proteins and Receptors" <u>Proc. Natl. Acad. Sci. USA</u> 93(14):7108-7113 (1996)
12	*47	Kong et al., "Activated T cells regulate bone loss and joint destruction in adjuvant arthritis through osteoprotegerin ligand" <u>Nature</u> 402(6759):304-309 (1999)
13	*48	Kotake et al., "IL-17 in synovial fluids from patients with rheumatoid arthritis is a potent stimulator of osteoclastogenesis" <u>Journal of Clinical Investigation</u> 103(9):1345-1352 (1999)
14	49	Laan, "Neutrophil Recruitment by Human IL-17 via C-X-C- Chemokine release in the Airways" <u>The Journal of Immunology</u> 162:2347-2352 (1999)
15	50	Lee, et al., "IL-17E, a Novel Proinflammatory Ligand for the IL-17 Receptor Homolog IL-17Rh1" <u>The Journal of Biological Chemistry</u> 276(2):1660-1664 (2001)
16	*51	Lennon et al., "The T.M.A.G.E. Consortium: An Integrated Molecular Analysis of Genomes and Their Expression" <u>Genomics</u> (Article #0177) 33:151-152 (1996)
17	*52	Li et al., "Cloning and characterization of the IL-17B and IL-17C two new members of the IL-17 cytokine family" <u>Proc. Natl. Acad. Sci. USA</u> 97(2):773-778 (2000)
18	53	Linden, "Airway neutrophils and interleukin-17" <u>Eur Respir J</u> 15:973-977 (2000)
19	*54	Lotz et al., "IL-17 Promotes Cartilage Degradation" <u>Cytokines</u> (ACR Abstract Session 10, October 19, 1996, abstract #559) pps. S120 (1996)
20	55	Lubberts, "IL-4 gene therapy for collagen arthritis suppresses synovial IL-17 and osteoprotegerin ligand and prevents bone erosion" <u>The Journal of Clinical Investigation</u> 105:1697-1710 (2000)
21	*56	Luckow et al., "Trends in the Development of Baculovirus Expression Vectors" <u>Bio/Technology</u> 6:47-55 (1988)
22	*57	March et al., "Cloning, sequence and expression of two distinct human interleukin-1 complementary DNAs" <u>Nature</u> 315:641-647 (Jun 20, 1985)
23	*58	Marra et al., "The WashU-HHMI Mouse EST project, Locus AA763404, 1/27/98, Accessed 12/13/00"
24	*59	Martel-Pelletier et al., "Major Signaling Pathways Involved in the IL-17 Induced Nitric Oxide (NO) Production in Human Osteoarthritic Chondrocytes" <u>Orthopaedic Research Society</u> (45th Annual Meeting, Feb 1-4, 1999, pt 2) 24:595 (1999)
25	*60	Matusevicius et al., "Interleukin-17 mRNA expression in blood and CSF mononuclear cells is augmented in multiple sclerosis" <u>Multiple Sclerosis</u> 5:101-104 (1999)
26	61	Metcalf, "Control of Granulocytes and Macrophages: Molecular, Cellular, and Clinical Aspects" <u>Science</u> 254:529-533 (Oct 25, 1991)
27	*62	Rouvier et al., "CTLA-8, Cloned from an Activated T Cell, Bearing AU-Rich Messenger RNA Instability Sequences, and Homologous to a Herpesvirus Saimiri Gene" <u>Journal of Immunology</u> 150(12):5445-5456 (Jun 15, 1993)
28	*63	Schwarzenberger et al., "IL-17 Stimulates Granulopoiesis in Mice: Use of an Alternate, Novel Gene Therapy-Derived Method for In Vivo Evaluation of Cytokines" <u>Journal of Immunology</u> 161:6383-6389 (1998)
29	64	Schwarzenberger, "Requirement of Endogenous Stem Cell Factor and granulocyte-Colony-Stimulating Factor for IL-17 Mediated Granulopoiesis" <u>The Journal of Immunology</u> 164:4783-4789 (2000)

Examiner

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D8	*65	Seow, H.F., "Pathogen interactions with cytokines and host defence: an overview" <u>Vet Immunol. Immunopathol.</u> 63(1-2):139-148 (1998)
		Shalom-Barak et al., "Interleukin-17-induced Gene Expression in Articular Chondrocytes is Associated with Activation of Mitogen-activated Protein Kinases and NF- κ B" <u>Journal of Biological Chemistry</u> 273(42):27467-27473 (Oct 16, 1998)
	67	Shani, "Expression of the Rat Myosin Light-Chain 2 Gene in Transgenic Mice: Stage Specificity, Developmental Regulation, and Interrelation with the Endogenous Gene" <u>Molecular & Cellular Biology</u> 8(2):1006-1009 (Feb 1988)
	*68	Shi, "A novel cytokine receptor-ligand pair: Identification, molecular characterization and in vivo immunomodulatory activity" <u>Journal of Biological Chemistry, American Society of Biological Chemists, Baltimore</u> 275(25):19167-19176 (Jun 23, 2000)
	*69	Spriggs, M.K., "Interleukin-17 and Its Receptor" <u>Journal of Clinical Immunology</u> 17(5):366-369 (1997)
	*70	Subramaniam et al., "Evidence for the Involvement of JAK/STAT Pathway in the Signaling Mechanism of Interleukin-17" <u>Biochem. & Biophys. Res. Comm.</u> 262:14-19 (1999)
	*71	Subramaniam et al., "Interleukin-17 Induces Rapid Tyrosine Phosphorylation and Activation of Raf-1 Kinase in Human Monocytic Progenitor Cell Line U937" <u>Biochem. & Biophys. Res. Comm.</u> 259:172-177 (1999)
	*72	Tartour et al., "Interleukin 17, a T-cell-derived Cytokine, Promotes Tumorigenicity of Human Cervical Tumors in Nude Mice" <u>Cancer Research</u> 59:3698-704 (1999)
	*73	Teunissen et al., "Interleukin-17 and Interferon- γ Synergize in the Enhancement of Proinflammatory Cytokine Production by Human Keratinocytes" <u>J. Invest. Dermatol.</u> 111:645-649 (1998)
	74	Tian, "EVI27 encodes a novel membrane protein with homology to the IL-17 receptor" <u>Oncogene</u> 19:2098-2109 (2000)
	*75	Van Bezooijen et al., "Interleukin-17: A New Bone Acting Cytokine In Vitro" <u>Journal of Bone and Mineral Research</u> 14(9):1513-1521 (1999)
	*76	Van Kooten et al., "Interleukin-17 Activates Human Renal Epithelial Cells in Vitro and is Expressed during Renal Allograft Rejection" <u>J. Am. Soc. Nephrol.</u> 9:1526-1534 (1998)
	*77	Vukicevic et al., "Induction of nephrogenic mesenchyme by osteogenic protein 1 (bone morphogenetic protein 7)" <u>Proc. Natl. Acad. Sci.</u> 93:9021-9026 (1996)
	78	Witowski, "IL-17 Stimulates Intraperitoneal Neutrophil Infiltration Through the Release of GRO/141 Chemokine from Mesothelial Cells" <u>The Journal of Immunology</u> 165:5814-5821 (2000)
	*79	Yao et al., "Herpesvirus Saimiri Encodes a New Cytokine, IL-17, which Binds to a Novel Cytokine Receptor" <u>Immunity</u> 3:811-821 (Dec 1995)
	*80	Yao et al., "Human IL-17: A Novel Cytokine Derived from T Cells" <u>Journal of Immunology</u> 155(12):5483-5486 (1995)
	*81	Yao et al., "Molecular Characterization of the Human Interleukin (IL)-17 Receptor" <u>Cytokine</u> 9(11):794-800 (Nov 1997)
	82	Zhu, "Pulmonary expression of interleukin-13 causes inflammation, mucus hypersecretion, subepithelial fibrosis, physiologic abnormalities, and eotaxin production" <u>J. Clin. Invest.</u> 103(6):779-788 (Mar 1999)
↓	*83	Ziolkowska et al., "High Levels of IL-17 in Rheumatoid Arthritis Patients: IL-15 Triggers In Vitro IL-17 Production Via Cyclosporin A-Sensitive Mechanism" <u>Journal of Immunology</u> 164(5):2832-2838 (2000)

Examiner

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